Purchase Order Receipt Listing

Friday, April 11, 2014 7:16:30 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po23537 All Receipt Dates All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

						¥		CAD	VendorID\Vendor Name PO23537 1	Purchase Order ID/ Curr Type
	No 2	S _o	4	N _O	ယ	Z _o	2	°	or Name 1	Line Nbr/ Insp Req
			1							Project ID
	71401-45 PROCUREMENT QUALITY CLAUSES M128809	17-4SS H900 ROUND BAR 2.000 M128809	M174PH- H900R2.000	17-4SS H900 ROUND BAR 1.500 M128809	M174PH- H900R1.500	17-4 SS H900 ROUND BAR 0.750" M128809	M174PH- H900R0.750	17-4SS H900 ROUND BAR 0.500 M128809	VC-MET001 M M174PH- H900R0.500	Reference/ Description/ Cert Std
	ENT	2.000		1.500		0.750"		0.500 f	Metaux Castle f	s P
		V	Ť	. Fa	Γ,				astle	PO U/M / Stock U/M
										R
	4/4/2014 1.0000	24.0000	4/4/2014	36.0000	4/4/2014	24.0000	4/4/2014	24.0000	4/4/2014	Required Date Required Qty
Y.	4 4/10/2014 0 DESJ02	0 DESJ02	4/4/2014 4/10/2014	DESJ02	4/10/2014	DESJ02	4/10/2014	DESJ02	4/4/2014 4/10/2014	Recv Date/ Recv Emp
	1.0000		24.6458		37.7083		24.3958		24.2917	Recv Qty (PO U/M)
То	\$0.00 \$0.00	\$864.58	\$35.08	\$756.92	\$20.07	\$231.06	\$9.47	\$184.80	\$7.61	Cost Per Unit/ Recv Value
Total Received Quantity: Total Qty to Inspect (PO U/M): Total Reject Quantity: Total Receipt Value: Total Balance Due Quantity:	0 0.0000	8 0.0000	0.0000	2 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Inspected Qty/ Rejected Qty (PO U/M)
I Received Quantity: to Inspect (PO U/M): otal Reject Quantity: Total Receipt Value: alance Due Quantity:	0000	0	0 0	0	0	0	0	0	0	MRB Qty/ MRB Reject Qty
112.0416 0.0000 0.0000 \$2,037.37 0.0000	\$0.00		\$864.58		\$756.92		\$231.06		\$184.80	Book Amt

Page 1 of 1



Page 1 of 2

No de Formulaire d'Emballage / Pack Slip No:1690543

119582606	1698840	UPS	Prepaid	ORIGIN	03_ADR_2014
100000					
	BOL No		•		
Delivery No	connaissement /	Carrier	Freight Terms		Date Shipped
Nº de livraison /	No du Bon de	t/ Transporteur/	Modalités de transport / Transporteur /	1 F.O.B.	Date d'expédition
					2K7
		J7R 5A8 CA		N L5N	MISSISSAUGA, ON L5N
		SAINT-EUSTACHE, QC	CA	ā.	2150 Argentia Road
SAINT-EUSTACHE, QC J/R 5A8 CA	SAINT-EUSTACH	ARTHUR-SAUVE	HAWKESBURY, ON K6A 1K7		Toronto
JR-SAUVE	560 BOUL ARTHUR-SAUVE	560 BOUL.	1270 ABERDEEN		Inc.
	METCOR INC.	METCOR INC.	DART AEROSPACE LTD		A. M. Castle & Co. (Canada)
0.	Livre a / Deliver 10:	Expedie a / Ship to:	Vendu à / Sold To:	From:	Expédié de / Ship From:

		/	\sim					0,			1 /	/	/						
VALBRUNA	MI	Usine /	Détails / Details	23537	Purchase Order No	N° de-bon de commande /			3			P. P. P.	2000	q		3290327	Order No	Nº de commande /	Détails d'expédition / Shipment Details
256490	Heat Number	No de coulee								•	þ			,		2	Line No	Nº de ligne	/ Shipment D
					Part Number	N ^{bre} de pièces /										14966.MO		Nº d'article / Item No	etails
2	Mech Id P	Code méc / P	The state of the s									1	1	/		\		/ Item No	
	PCS Width (IN)	Pièces / Largeur (Pouce)/		2.00 PCS	Ordered Qty	Qté commandée /	Email P/s and certs to: clavoie@dartaero.com	#:S	ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT	RECEIVE AT TIME OF DELIVERY	ALL PAPERWORK MUST	AMS 5643	MONTREAL: SHIP TO METCOR	CUT TO 146:375 IN () - CUT IN 4TH'S SPECIFICATIONS: ATTN	A 132.0000-156.0000	0.7500.RD.17CR-4NI.STAINLESS.CF.SOL IR.COND		Description	Destination finale / Final
	Length (IN)	Longueur (Pouce)/		24.3958 FT	Invoice Qty	Qté Facturée	avoie@dartaero.com		AVE IDENTIFYING MAI	ELIVERY	RK MUST FOLLOW ORDER / CUSTOMER MUST		ETCOR /	CUT IN 4TH'S SPECIFIC		INLESS CF SOL IR.CO			e / Final Destination Branch -
36.5938	Shipped Qty (LBS)	Qte expediee /							RKINGS EX:HEAT		USTOMER MUST			CATIONS: ATTN		CNC			

VALBRUNA



A. M. Castle & Co.

Page 2 of 2

Nous certifions par la présente que le matériel œuvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essel sont archivés pour riscell. Ne hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit. Reviewed by Authorized castle Metals Representative: Date: Name:				T .
	Ce matériel a été reçu et inspecté par Pares Date: Name: Name:	y this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the mater nation. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to	rivus certilions par la presente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute requête concemant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castile & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.	CORPORATION



A. M. Castle & Co.

Page 1 of 2

No de Formulaire d'Emballage / Pack Slip No:1690540

N° de livraison / Delivery No	No du Bon de connaissement / BOL No	/ Transporteur / Carrier	Modalités de transport / Transporteur Freight Terms Carrier Prenaid	F.O.B.	Date d'expédition / Date Shipped 03-APR-2014
	3	J7R 5A8 CA		L5N	MISSISSAUGA, ON L5N 2K7
		SAINT-EUSTACHE, QC	CA		2150 Argentia Road
SAINT-EUSTACHE, QC J7R 5A8 CA	SAINT-EUSTACH	ARTHUR-SAUVE	HAWKESBURY, ON K6A 1K7		Toronto
JR-SAUVE	560 BOUL. ARTHUR-SAUVE	560 BOUL.	1270 ABERDEEN		Inc.
	METCOR INC.	METCOR INC.	DART AEROSPACE LTD		A. M. Castle & Co. (Canada)
0.	Livre a / Deliver To:	Expedie a / Ship To:	Vendu a / Sold To:		expedie de / Snip From:

Détails d'expédition / Shipment Details

Destination finale / Final Destination Branch -

						-	C	//-	1	15	1-1		/					
VALBRUNA	Mill	Usine /	Détails-/ Details	23537	Purchase Order No	Nº de bon de commande /										3290327	Order No	Nº de commande /
260151	Heat Number	No de coulee /							10/2/01	ンシン	0 10	202	ņ			3	Line No	Nº de ligne
	mber Mech Id	ulee / Code méc /			Part Number	Nbre de pièces /				9						14976.MO		Nº d'article / Item No
သ	PCS	/ Pièces /		3.0	Or	Qte	Em	#S	A-1	RE	ALI	AM	ATT	CU	TAT	1.50		
	Width (IN)	Largeur (Pouce)/		3.00 PCS	Ordered Qty	Qté commandée /	ail P/s and certs to: o		- MATERIAL MUST H	RECEIVE AT TIME OF DELIVERY	ALL PAPERWORK MUS	AMS 5643	ATTN MONTREAL: SHIP TO METCOR	TIO 150.833331115	A.132.0000-156.0000)00.RD.17CR-4NI.ST		Description
	Length (IN)	Longueur (Pouce)/ Qté expédiée		37.7083 FT	Invoice Qty	Qté Facturée /	Email P/s and certs to: clavoie@dartaero.com		ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT	DELIVERY	RK MUST FOLLOW ORDER / CUSTOMER MUST		TO METCOR	CUT TO 150.833331115 IN () - CUT IN 4TH'S SPECIFICATIONS:		1.5000.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND		
226.6271	Shipped Qty (LBS)	Qté expédiée /		+	<i>)</i>	9/			ARKINGS EX:HEAT		CUSTOMER MUST			SPECIFICATIONS:		COND		



A. M. Castle & Co.

Page 2 of 2



CERTIFICAT DE CONFORMITE BORDEREAU DE MARCHANDISES

Page 1 of 2

A. M. Castle & Co.

port / Transporteur / Carrier BO LTL 160 BOUL. ARTHUR-SAUVE SAINT-EUSTACHE, QC J7R 5A8 CA Correct BO			Dátaile d'avadalities / Chi
port / Transporteur / Carrier BO	riepaid	O N	
SAINT-EUSTACHE, QC J7R 5A8 CA		-	/ Date Shipped
NC.	HAWKESBURY, ON K6A 1K7 CA	ad ON L5N	2150 Argentia Road MISSISSAUGA, ON L5N 2K7
	DART AEROSPACE LTD 1270 ABERDEEN		A. M. Castle & Co. (Canada) Inc.
Expédié à / Ship To: Livré à / Deliver To:	Vendu à / Sold To:	_	Expedie de / Ship From:

Order No	N° de ligne Line No	Nº d'article / Item No	Description	1904
3290327	4	14981.MO	2.0000.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND	AINLESS.CF.SOL TR.CO
			CUT TO 153.875 IN () - CUT IN 4TH'S SPECIFICATIONS: ATTN MONTREAL: SHIP TO METCOR	CUT IN 4TH'S SPECIFIC ETCOR
			AMS 5643 ALL PAPERWORK MUST FOLLOW RECEIVE AT TIME OF DELIVERY	AMS 5643 ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
			ALL MATERIAL MUST HAVE #'S	AVE IDENTIFYING MARKINGS EX:HEAT
Nio			Email P/s and certs to: clavoie@dartaero.com	lavoie@dartaero.com
Purchase Order No		Nore de pièces /	Qté commandée /	Oté-Facturée
23537 /			200 PCS	OF SAFO TT
Détails / Details				23.0438 F I
Usine /	No de coulee	ulee/ Code méc /	Dièces / Larreur (Dans)	
Mill	Heat Number		PCS Width (IN)	Length (IN) Shipped Of A
VALBRUNA	257635		2	273 8075
/				7

1/4/4/1

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited. 10 April 2014 10:55:16 AM



A. M. Castle & Co.

BORDEREAU DE MARCHANDISES CERTIFICAT DE CONFORMITE

Page 2 of 2

Ce malériel a été reçu el inspecté par Reviewed by Authorized Castle Metals Representative:	we neesty certify the malenal covered by this certification conforms in accordance with the ab- Test reports are on file subject to examination. All claims for defective material are waived un- for credit.	Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris essai sont archivés pour fins de consultation. Toute requête concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours cirent ne peut être retourné pour crédit.	CORTORATION
Date: Name:	we hereby Settrly the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned	Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute requête concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le cilent ne peut être retourné pour crédit.	



A. M. Castle & Co.

BORDEREAU DE MARCHANDISES CERTIFICAT DE CONFORMITE

Page 1 of 2

No de Formulaire d'Emballage / Pack Slip No:1690544

	Destination Branch -	Destination finale / Final Destination Branch -	Details	/ Shipment	Details d'expedition / Shipment Details
119582616	1698841	UPS	rrepaid	ONIGIN	00 / 11 / 20 7
	BOL No			OBION	03-APR-2014
Nº de livraison / Delivery No	No du Bon de connaissement /	Transporteur / Carrier	Freight Terms		
				ם ס	Date d'expédition
E, QC J7R 5A8 CA	SAINT-EUSTACHE, QC J7R 5A8 CA	ARTHUR-SAUVE SAINT-EUSTACHE, QC J7R 5A8 CA	WKESBURY, ON K6A 1K7		2150 Argentia Road MISSISSAUGA, ON L5N 2K7
JR-SAUVE	METCOR INC. 560 BOUL, ARTHUR-SALIVE	560 BOUL.			Inc.
0:	Livré à / Deliver To:	Expédié à / Ship To:		_	A M Castle & Co (Canada)

Nous certifions par la présente que le matériel couvent par cette géfrification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d' These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion posters de la description. Les rapports d'	susmentionnées et aux exigent	centification est conforme aux spécifications se exported from the United States in	matériel couvert par cette gy or software were	Nous certifions par la présente que le These commodities, technolou	
16.2268	2		261341	CORPORATION	
Width (IN) Length (IN) Shipped Qty (LBS)	Pièces / Larg	nber Mech Id	No de coulee / Heat Number	Mill VALBRUNA	
				Details / Details	\
24.2917 FT	2.00 PCS			23337	\
nandée / Qté Facturée /	Qté commandée / Ordered Qty	Part Number		Purchase Order No	
Email P/s and certs to: clavoie@dartaero.com	Email P/s			No.	
RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT	RECEIVE AT TIME ALL MATERIAL ML			12/12	14/hh
RWORK MILET FOLLOW OFFICE (C. 1919)	AMS 5643			DAS	
CUT TO 145.74997006 IN () - CUT IN 4TH'S SPECIFICATIONS: ATTN MONTREAL: SHIP TO METCOR	ATTN MONTREAL:	=			,
1700 ANII STAINII FOO OF OO! TO OO!	O SOOO DE	14961 MO	1	3290327	
)		Line No	Order No	
3	Description	No d'article / Item No	No de ligne	iv de commande /	

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.



A. M. Castle & Co.

Page 2 of 2

essai sont archives pour fins de consultation. Toute requête concernant du malériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Tour credit.

Ce matériel a été requ et inspecté par

Ce matériel a été requ et inspecté par

Reviewed by Authorized Castle Metals Representative:

Date:

Name:







QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER



CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION" EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Gostaller/Purchaser/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: ACCIAIERIE VALBRUNA S.P.A.

State di fornitura: Hot rolled - COND, A Centerless Ground

Avviso di Spedizione: D-VI13037321 Lieleranzeige/Packing Mari8 L.

Ordine nr. 311004478 Stock - Canada

Tipo di Elaborazione: E+AOD

Certificato nr: MEST444351/2013/ 1

Conferma ordine nr: El13009446 Werks/Our Order/Perf nr.

Marchio di Fabbrica: Zeichen des Lielermreikes Trada mark Sigle de l'usine produitico

AMS 5643 S S17400 A

Punzone del Collaudatore: Sternpel des Werkssachverständigen Inspector's stamp/Poincon de l'assayou



Specifiche:
Autorderungen / Requirements / Exigences 3174-01 35 630 A ASME SA564 2013 S17400 A (0)

(0) SECTION II PT.A 2013 EDITION

Qualitá: 630

AMS 2303 F ASTM A564 2010 S17400 A

WerkstoWGrades	Muanos						
Marca:	V174	Tolleranza: ASTM A484-11 TABLE 7 Tolleranz/Atowarce/Toleranze	Punzonatura: 630 Kennzeichnung/Marking/Marque	age			
Pos. nr.	Oggetto Gegenstand Product description	Dimensioni - In Abmessuegen Dimension	Lunghezza - In Lange Length Longueur	Colata Schmelzs Heat Coulie	Pezzi Stockzahi Pieces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losar. Lot nr. Lot nr.
	Descrip, du produit		144 / 148	261341		1.559	312807210
0040	Round	0,5000	1447 140	201017			

		Test	on delive	ry condition Priis	TES netwood and field expenses	T ALLO STA	st a feial de	fourniture Pro	lega sopre e	material asl o	ome entregado Resiller			urezza
rest	Provetta/Protestab Specimen/Eprovnike Larg dam Spitte Breits D.Am. Dichn With Dam. Thickness Larg. oam. spats	۰F	Posir. Saggio Patrici (total	Snervamento Snervamento Snerva Viniti Snerva Limite electric Hp 0,2% k.s.i.	Snarvamento Sneckjerce Vestizens Umis resigne	Resistenza Zugleosighun Twisse strength Resistance à harbon RITE k.s.i.	Altunga Brund Etong Along	mety	Ensol	zione nong en diane crion RA %	Pre-Siller Re-machings Impact Val Realiero	Lie .		Heronass Durett HB
Antonior	ri richiesti 1	mi		-	•	175	-	•	-	-				363
A	12.7	68	L	133		159		8		48			344	

		min	max	
TEST			5.0	1.0 %
	Delta Ferrite		1.10	0
В	RATINGS FREQUENCY		, ,	0
В	RATINGS SEVERITY		1,05	0

								Sample	3 CO	nd. H900)				-	5. W Ida sea ata	Permanenza	
Tipo Trai Watermoon Heat To Trainwest	iromes.	Tempera Tempera Tempera Tempera	Ve I	Flattreddai Abhyelda Cooler Resodene	ng.	Permanenza Haladerik Permanana Mainten	Tipo Trattamen Wasmebehandur Heat Trasment Trasment Tetmiqu	Tempera Tempera Tempera	tura	Raffreddar Adruettu Cooler Refridase	mento eg	Permanenza Handever Permanenn Meirlen	177	Trattamento sermatehandung Heat Tratifiers retnest Termique	Tempetalura Temperatur Temperatura Temperatura	Refrectamento Attuative Cooler Refrectament	Habedover Permanence Meinten	
Ag		900		AIR		60 '			_				Chile	ione	Resilienz	a D	urezza	
TEST	Provetta Speciment Largusan Swite Diam Width Diam Largusan	Speas. Dicke Thickness	۰F	Posiz. Saggio	li i	trecomes wed street on a station of p 0,2%	Snervamento Socolpero Teld Seess Leste effetique	Resistenza Zuglestigheit Terube etrango Resistance à tracto RM k.s.i.		Allunga Budde Elongs Alongs	hrung Isan		Ensch	nürung n et area	Kartechingsfri Inpact Value Rysilence	1	Hardrees. Durete HB	
Mala	mi richies	-		min	\vdash	170		190			10) -		40	•		388 444	
Autorian	mus apparantes Mis Licculina Mis Licculina	YSÉGE		max					+		4.6			60		430		
В	12	.5	68	3 L		190		205			11	2				sversale/guer, O=Tar		

t)L=longitudinale/långs, T=trasversale/quer, Q=Tangenziale/langential

Mechanical properties according to ASTM A370. Delta Ferrite according to AMS 2315.

Il collaudatore di stabilimento / der Werkssachverständige/ Works inspector / L'agent d'usine
M.Rizzottg / W.K. Pagina - 1 di 2 Vicenza,24/02/14 (Mod. MCE2)









CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION ... EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

CHENTE / Sestelleu/Purchaser/Client
VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: ACCIAIERIE VALBRUNA S.P.A.

State di fernitura: Hot rolled - COND. A Centerless Ground

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI13037321 Lieteranzeige/Packing Ist/B.L.

Ordina rir: 311004478 Stock - Canada

Tipo di Elaborazione: E+AOD

Certificato nr: MEST444351/2013/ 1

Conferma ordine nr: El13009446

Marchlo di Fabbrica: Zeichen des Liefermwerkes Trade mark Sigle de if usine produtrice

Punzone del Collaudatore: Stempel des Werkssachverständigen Inspector a stamp/Poinpon de I asset



Analisi chimica

	min - max 0,070	1,00	1,00	15.00 17,50	- O,50	3,00 5,00	3,00 5,00	0,040	0,030	-	-	-	-	:
	C%	Si%	Mn %	Cr %	Mo %	Cu %	Ni %	P%	\$%	Ta%			ĺ	
261341	0,044	0,43	0,47	15,12	0,15	3,23	4,58	0,025	0,001	0,0001				
(D. 10)	rain S'C			0.150			-							 : -

Colata Aleet Schmelze/Coulin	min 5°C max 0,450	0,150 0,450	-	•	•
	Cb(Nb)%	Nb%+Ta%			
261341	0,274	0,274			

Reduction ratio > 3:1

Annealing temperature 1904 deg. F for 1 h, air

cool to below 90F.

Macroetch test per ASTM E340: acceptable.

Material annealed 1070C for 0,5h min/air cooled.

Furnace calibrated according to AMS-H-6875;A;APRIL 2006

Material is DFARS Compliant

Sono state spddisfatte tutte le condizioni richieste Dia gestellen Anforderungen sind it. Autage erfolli The material has been fundated in accordance with the requirementa La material è allé trouvé conforma lava exigencies

Controllo antimescolanza: OK

Controllo visivo e dimensionale: soddisfa le esigenze Besichtigung und Ausmansung: ohne Beanstandung Visual Inspection and dimensional chacks:satisfactory Contrôle visual at dimensions: satisfaleant

Melted and manufactured in Italy No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant. The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s.,4.3 by TUEV and LLOYD' S

Any act of tempering, modification, alteration, counterfeiting and/or faisification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Velbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/ or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Accidence Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza,24/02/14 (Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige/ Works Inspector / L' agent d' usine M. Rizzoty Full

Pagina - 2 di 2









CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bestefer/Purchaser/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Stato of fornitura: Hot rolled Polished Annealed Peeled Lieferzustand/Delivery state/Elai de firmison

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-Vi12022059 Lieteranzaige/Packing let/B.L.

Ordine nr: 207003755 Stock - Canada

Tipo di Elaborazione: E+AOD Erechmelzungsan/MeNing process/Mode d'el

Certificato nr: MEST226048/2012/ 1

Conferma ordine nr: El12005695 WarturOut Orden/Ref nr.

Marchio di Fabbrica:

Punzone del Collaudatore: Stampel des Werksssolverständiger Inspector's stamp/Polingon de l'assa



Lotto nr.

Specifiche: Anforderungen / Requirements / Eugences VAL CANADA 2 630 A ASTM A564 2010 S17400

AMS 5643 R S17400 AMS 2303 F C<0,25

Tolleranza

ASME SA564 2010 S17400 (0)

(0) SEC.II PT.A 2010 EDITION ADD. 2011a

Oggetto

Qualitá: 630

Marca: V174

Pos. nr.

Punzonatura: 630

Paso - LE Gewicht Weight Polds Lunghezza - In

0020	Round			2,0000	4	84-11	144 /	155	25/6	30		4.	330	119	OZUM	350
	TEST ALLO STATO DI FORNITURA Test on delivery condition Prüefung auf lieferbereitem produkt i test a fetat de fourniture. Prueba sobre el material así come entregado															
Provette/nycloseable Specific provets (Specific provets) Large General Control of the Control of																
Anfondere	Valori richiesti 1 min -		-	٠	-		-	-	-		-			363		
Α														329		

TEST		min	max	
A	Delta Ferrite		5,0	1,0 %
A	RATINGS FREQUENCY		1,10	0
A	RATINGS SEVERITY		1,05	0

Dimensioni - In Abmessingen Dimension Dimension

									Sample	cor	d. H900										
Wearmain (Stat T)	itamento stending sciment Yenzigue	Temper Temper Tempera Tempera	atur ibrit	Ablo.	cigra erijo ehlung koler lasermeti	Permanenza Hatedover Permanence Mainten	Tipo Traffamer Warmebelandur Haat Tradroord Trainment Tamity	nto e	Temperatu Temperatur Temperature Temperature	/a	Raffreddam Ablaething Cooler Reloidssem	orne	Permar Hated Permer Mend	N9/ 97CE	Ween	retternento nobehendurg et Tructores nere Termique	Ter	betrine spendus spendus peratus	Able	diamento soler deement	Permanenza Haladerer Permanens Halinden
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Anlandes	richiesi	maken i		min max		170	-		190		-	10)	-		40					388 444
В	12	5	68	3 [-	182			199			16	3			52				429	

13L - Innaksdineleilänge, T-tresverseleitster, G-Tenganzleitsfte

Analisi chimica

					Gil	SIMMONG STATE	ELIGINATION OF C	trial sector) as	@/Emp/40 01-1	4-0		 	 	į
Coffite /Heat	min - max 0.070	1,00	1,00	15,00 17,50	0,50	3,00 5,00	3,00 5,00	0,040	0,030		:		:	
	C%	Si%	Mn %	Cr %	Mo %	Cu %	Ni %	P%	5%	Ta %				į
257635	0.035	0.45	0.49	15,08	0,19	3,37	4,52	0,025	0,001	0,0001				

Vicenza,22/01/14	ll collaudatore di stabilimento / der Werkssachverständige/Works inspector / L'agent d'usine M. Rizzottg	Pagina - 1 dl 2

Acciaierie Valbruna_{s.p.A.}









CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE **CERTIFICAT DE RECEPTION** EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della ecienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Septemen/Purphesen/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT LST 5Z1-MILTON, ONT LST 5Z1-GA

Produttore: ACCIAIERIE VALBRUNA S.P.A.

State of fernitura: Het rolled Polished Annealed Peeled

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI12022059 Lietarazzige/Packing Est/R.L.

Ordine nr: 207003755 Stock - Canada

Tipo di Efaborazione: E+AOD

Certificato nr: MEST226048/2012/ 1

Conforma ordina nr: El12005695 Wedu/Our Order/Rei nr.

Marchio di Fabbrica: ichen des Liefermvorkes de merk fe de l'usine produttice

Punzone del Collaudatore: Stempel des Werkssachverständigen Inspector's etsmp/Poinpon de l'asse



		5°C	-	•	•	•
Schmelza/Coulée	max 0,450	0,450	1			
	Nb%+Ta%	Cb(Nb)%				
257635	0,282	0,282				

Material solution annealed 1904F for 1.5 H ,

air cooled to below 90F.

Macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Material is DFARS Compliant

Sono state sodd/sfatte tutte le condizioni richieste Die gestellen Ankorderungen eind R. Anlarge erfolit The material has been furnished in scoordance with the requirementa Le material is als trout/d ordrome aux exigences

Controllo antimescolanza: OK Verwechslungsrühing: apeotralanally Anlinking teating performed: OK Controls antimoleness fall: La.E.

Controllo visivo e dimensionale: soddisis, le esigenze seichtgung und Ausnessung: ohre Besnetandung Visuel inspection and dimensional chada sabirindory Controlla visuel at dimensional; esitätistam.

Malted and manufactured in Italy

No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant. The Quality Management System is Certified acc. Pressure Equipment Directive [87/23/EC] Annex 1,8.,4.3 by TUEV and LLOYO'S

Any act of tempering, modification, alteration, counterfeiting and/or faisification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Accidente Valentus shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/ or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acclaimte Valibruna SpA shall not be responsible for any improper use of the

Vicenza, 22/01/14

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige/Works inspector/L' agent d' usine M. Rizzotto

Pagina - 2 di 2







QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER



CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT LST 5Z1-MILTON, ONT LST 5Z1-CA

Produttore: STABILIMENTO DI BOLZANO

State of fornitura: Hot rolled Polished Annealed Peeled

Avviso di Spedizione: D-BZ13004301 Lieleranzelge/Pecking KN/B.L.

Ordine nr: 301003993 Stock - Canada

Tipo di Elaborazione: E+AOD

Certificato nr: MEST381662/2013/ 1

Conferma ordine nr: El13000197 Werke/Our Order/Ref nr.

Marchio di Fabbrica: Zeichen des Liefenwerkes Trade merk Sigle de l'usine produtice

Punzone del Collaudatore: Stempel des Werfusschverstendigen Inspector a stump/Poingon de l'assays



Specifiche: Antorderungen / Requirements / Exigences VAL CANADA 2 630 A ASTM A564 2010 S17400

AMS 5643 R S17400 AMS 2303 F C<0,25

ASME SA564 2010 S17400 (0)

(0) SEC.II PT.A 2010 EDITION ADD. 2011a

Qualitá: 630

Marca: V174

mkn -max 0,070

C %

0,036

1,00

Si %

0,46

Colata /Heat

260151

Punzonatura: 630

	ylarkenbezeich	nung/Brandfilvunce			Lunghezze - In	Coleta	Pezzi	Peso - LB	Lotto nr.	1
-	Pos. nr.	Oggatio	Dimensioni - In Abmensungen	Tolleranza Tolleranz Allowance	Lange Langth	Schmelze Heat	Stücktahl Pleces Pieces	Gewichl Weight Poids	Lot or. Lot nr.	l
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Δ 1														000	

		min	max	
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	Delta Ferrite		1.10	n
A	RATINGS FREQUENCY		1 . ,	Š
Α.	RATINGS SEVERITY		1,05	U
/ A	TIA I III CO OLI III CO			

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	ing	900 °F		AIR	80		-					Citie	lone	Resilienz		Di	Irezza
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Valc	Valori richiesti 1 min		170	-	+-	190	-	10	3 -		40	-			388 444		
Antordet	ngerflequired val.	J011	n	nax			\perp			4.			51			431	
В	12.5		68	L	185			201		14	*			elinateAlana, Tel/a	THE REAL PROPERTY.	Dar: Q=Tex	geng wentengen de

L-longitudinale/lings, T-l/silvintalikquer, Q-Tengerq trientanger

Analisl chimica

3,00 5,00 0.030 0,040 1,00 0.50 Ta % P % S % Ni % Mo % Cu % Cr % Mn % 0,0015 0,001 0,020 4,53 3,35 15,18 0,15 0,51

Bolzano,22/01/14	ll collaudatore di stabilimento / der Werkssachverständige/ Works Inspector / L'agent d'usine M.Rizzottg	Pagina - 1 dì 2	
8BL006 (Med. MCE2)	W.Hizzorgy Cost		









CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004), 3.1

36100 VICENZA (Italia) • Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: STABILIMENTO DI BOLZANO

State di fernitura: Het rolled Polished Annealed Peeled

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-BZ13004301 Lieteranzelge/Packing (leurz) i

Ordine nr: 301003993 Stock - Canada

Tipo di Elaborazione: E+AOD

Certificato nr: MEST381662/2013/ 1

Conferma ordine nr: El13000197 Werke/Our Director/Ref nr.

Marchio di Fabbrica: Zeighen des Liefermerkes Trade mark Stets de Flusine production



Punzone dal Collaudatore: Stempel des Werkssachversländigen Inspector is stamp/Poingon de l' asse

Colata releat Schmelza/Coules	min 0,150 max 0,450	5°C 0,460	
	Nb%+Ta%	Cb(Nb)%	
260151	0,297	0,295	

Material solution annealed 1904F for t H,

air cooled to below 90F.

Macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Material is DFARS Compliant

Sono étale soddisfatte tutte le condizioni richieste Die gestellan Antorderungen sind k. Anlage artitit The material has been fundated in socodance with ête requirementa Le material è als trours conforme sua enganose

Controllo antimescolanza: OK h durchaelühri. Veneschslungsrüfung: spectralen Antimbling lesting performed: OK Controls antimelange fall: r.s.e.

Controllo visivo e dimensionale: soddisla le esigenze Baelchijorip und Autmessung: ohne Baenstandung Visuel Inspection and dimensional ohnectora sitellactiony Controlle visual of dimensional soddissa del actiony Controlle visual of dimensional saddinisem.

No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is chacked for radioactive contamination through Portal System when it leaves the production plant. The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s.,4.3 by TUEV and LLOYD'S

Any act of tampering, modification, atteration, counterfeiting and/or talsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acclaterie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Or application of the and criminal laws. Accadence valibrung shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Accidence Valibrung-SpA shall not be responsible for any improper use of the Products.

Bolzano, 22/01/14 (Mod. MGE2)

Il collaudatore di stabilimento / der Werkssachverständige/Works inspector / L. agent d' usine
M.Rizzottg









CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE **CERTIFICAT DE RECEPTION** EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bestelles/Purchases/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT LST 5Z1-MILTON, ONT LST 5Z1-CA

Produttore: STABILIMENTO DI BOLZANO

State di territura: Hot rolled - Annealed Peeled

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-BZ12003970 Listeranzalga Pacching Ravis L.

Ordine nr. 204003642 Stock - Canada

Tipo di Elaborazione: E+AOD

Certificato nr: MEST218040/2012/ 2

Conferma ordine nr: El12003558 Werks/Our Order/Rel nr.

Marchio di Fabbrica: Zelchen des Befernwerkes Trade merk Sigle de fusina produbles

Punzona del Collaudatore: Stempel des Werkssachverständigen Inspector's stamp/Poingon de l'assey



Specificho: Anforderungen / Requirements / Exigences VAL CANADA 2 630 A ASTM A564 2010 S17400

AMS 5643 R S17400 AMS 2303 F C<0,25

Tolleranza

484-11

ASME SA564 2010 S17400 (0)

(0) SEC.II PT.A 2010 EDITION ADD. 2011a

Oggetto

Round

Qualitá: 630 / UNS 17400

Marca: V174

Pos. nr.

0080

Punzonatura: 630

l	Lunghezza - In Large Length Longueur	Colata Schmelze Heat Coulée	Pezzi Střekzení Přeces Pieces	Peso - LB Gewicht Weight Poids	Latto nr. Losar. Loj ar. Lotar.	
	143 / 147	256490		2.035	132210550	

TEST ALLO STATO DI FORNITURA entregado Test on delivery condition. Proeting auf lieferbereitem produkt. test a l'atal de fourniture Durezza Resilienza Allungamento Strizione Resistenza Posiz. Saggio Snervamento Snervamento Hearts Hardress Durate erbechiegerb Impact Yallut Blass Basson Strectgrenza Yield Screen Yield Street Taboring Lacetteri Englishmen ΗВ TES1 mln Valori richlesti 1 363 max 335 A

TEST		min	max	
ILOI	Delta Ferrite		5,0	1,0 %
A			1.10	0
	RATINGS FREQUENCY			, ,
A	RATINGS SEVERITY		1,05	<u> </u>

Dimensioni - In

0,7500

								Sa	mple co	nd. H900								
Wageneb	118/118/1100 aharding regiment 1 Fernitys	Temper Temper Temper	LLUT Chron	Ab	eddamento doeldrag Cooler oddesenent	Permanenza Hakidarek Permanenda Mahilan	Tigo Trattamel Wasmadahandle Heat Transment Transment Tamba	nto Ten		Raffreddan Ablushter Coules Rafrokfesser	nento i	Parmanenza Hatedover Permanenzo Majnillen	Wa	Trattamento amebitandung led Trattheri ameri Temique	Temperatura Temperatura Temperatura Temperatura	Refiredos Abizació Occie Partecidane	ung r	Permanenza Habadever Permanense Makrilen
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Valori richiesii 1		1		min max		170	-	190	0	-	10	-		40	-			388 444
В	12.		68	3]	L	183		20	2		15			51			132	

Analisi chimica

Colata Heal	min ·	1.00	1,00	15,00	0,50	3,00 5,00	3,00 6,00	0,040	0,030	-	-	-	-
Schmelze/Goulde	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P%	S %	Ta %			
256490	0.036	0,40	0,51	15,16	0,24	3,40	4,48	0,024	0,001	0,0028			

Bolzano,22/01/14 BBL000 (Mod.MCE2)	ll collaudatore di stabilimento / der Werkssachverständige/ Works Inspector / L'agent d'usine M. Rizzotto Pulled	Pagina - 1 di 2











CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE **CERTIFICAT DE RECEPTION** EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bosteller/Purchaser/Client
VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: STABILIMENTO DI BOLZANO

State di fernitura: Hot rolled - Annealed Peeled

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-8Z12003970 Lieleranzeige/Pecking list/8.L.

Ordine nr: 204003842 Stock - Canada

Tipo di Elaborazione: E+AOD

Certificato nr: MEST218040/2012/ 2

Conferma ordine nr: El12003558

Marchia di Fabbrica: Zeichen des Liefernwerkes Trade mark Sigle da f. unine produtice

Punzone del Collaudatore: Stempel des Werksschweisländigen Invanctor's stemo/Poincon de f. sest



					I.	-
Colate /Heat Schmelze/Coulde	min 0,150 max 0,450	5°C 0,450	·	•		
	Nb%+Ta%	Cb(Nb)%				
256490	0,283	0,280			 	

Material solution annealed 1904F for 1 H,

air cooled to below 90F.

Macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Material is DFARS Compliant

Sono state soddistatte tutte le condizioni richieste Ole gestation Aniordemungen sind it. Aniege erfolt:
The metarial has been funished in accordance with the requirements.
Le material & eté trouvé conforme aux exigençes. Controllo antimescolanza: OK Verwechstungprüfung: spectralan-Antimizing testing performed: OK Contribe antimational fall: I.S. S.

Controllo visivo e dimensionale: soddisfa le esigenze Sealchtgung und Ausmassung: ohne Besistandung Vieual Inspection and dimensional checkssalisfactory Contribia devol at ritmansione: suffaitaisti.

Melted and manufactured in Italy

No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant. The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s.,4.3 by TUEV and LLOYD'S

Any act of tempering, modification, alteration, counterfelting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acclaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

or applicative critically and criminal taws. Accident valuation and product to regular and conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Accidented Valbruna SpA shall not be responsible for any improper use of the

Bolzano, 22/01/14 (Mod. MCE2)

ll collaudatore di stabilimento / der Werkssachverständige/ Works inspector / L'agent d'usine

M. Rizzotta Kund

MATERIAL: MTY	PH 23	1-H	MORC SO	РО	/ BATCH NO.: _	03537	7
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	Y05	Ô		SHEET SIZ	SS ORDERED: _ S RECEIVED: _ ZE ORDERED: _ ZE RECEIVED: _)
DESCRIPTION	(Ch	CR eck		Co	OMMENTS		
SURFACE DAMAGE	Y	W					
CORRECT FINISH	(Y)						
CORROSION	Υ	N					
CORRECT GRAIN DIRECTION	8	N					
CORRECT MATERIAL	(A)	N					
CORRECT THICKNESS	8	N					
PHOTO REQUIRED	Υ	1					
CORRECT MATERIAL	8	N					
CORRECT REF # TO LINK CERT	(A)	N	ASTM ASG	300			
ORRECT MATERIAL IDENTFICATION	8	N		H# 2	61341		
CORRECT M# ON THE MATERIAL	(Y)	N	miderog				
DOES THIS MATERIAL REQUIRE							
ENGINEERING SIGN OFF	Υ	N					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIEC	E OF	MA	TERIAL AND PR	EFORM A I	HARDNESS CH	IECK.	
33. 3			ORD RESULTS				
		-	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER REA	ADIN	G_					
	<u>te</u>	esters	located in the Qua	lity Office			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY:

DATE:

QC 18 INSPECTION

INSPECTED BY: ___

MATERIAL: MITHPH 490			025.0X	PO	/ BATCH NO.:	BS37	
DATE:	14						
MATERIAL CERT RECIP.	Vac			THICKNE	SS ORDERED:	0.750	
MATERIAL CERT REC'D:	21	,	12001		SS RECEIVED:	0 ~0	
QUANTITY RECEIVED:	5	<u>~></u>	12H 3H2				
QUANTITY INSPECTED:	<u> </u>	\supset	34.395°	SHEET SIZ	ZE ORDERED:		
QUANTITY REJECTED:	C_{-}			SHEET SIZ	ZE RECEIVED:		
		R		C	OMMENTS		
DESCRIPTION	٠,	eck	COMMENTS				
		N)					
SURFACE DAMAGE		(M)					
CORRECT FINISH	8	N (N)					
CORROSION	Y B	N					
CORRECT GRAIN DIRECTION	8	N					
CORRECT MATERIAL CORRECT THICKNESS	*	N					
PHOTO REQUIRED	Y	(I)					
CORRECT MATERIAL	(Y)	N			-		
CORRECT REF # TO LINK CERT	(Y)	N	AST 56	8 -			
CORRECT MATERIAL IDENTFICATION		N		H	256990		
CORRECT M# ON THE MATERIAL	3	N	m128800	}			
DOES THIS MATERIAL REQUIRE							
ENGINEERING SIGN OFF	Υ	N					
DOES THIS REQUIRE AN							
EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIEC	E OF	MA	TERIAL AND P	REFORM A	HARDNESS C	HECK.	
	F	RECO	ORD RESULTS			DUDD	
			HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER REA	ADIN	G					
	<u>te</u>	esters	located in the Q	uality Unice			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY: _

DATE:

QC 18 INSPECTION

INSPECTED BY:

MATERIAL: MTY)H-	H	100 RISCO	PO	/ BATCH NO.:	B 5	337
DATE: AP							
	1	0 20	17			10-	
MATERIAL CERT REC'D:	105			THICKNES	SS ORDERED:		
QUANTITY RECEIVED:	1.70	SC		THICKNES	SS RECEIVED:	1503	
QUANTITY INSPECTED:	37	70	3	SHEET SIZ	ZE ORDERED:		
QUANTITY REJECTED:	0			SHEET SIZ	ZE RECEIVED:		
QUANTITI RESECTED.	<u> </u>						
	NC						
DESCRIPTION	٠,	eck		C	OMMENTS		
		N)				-	
SURFACE DAMAGE	Y	N					
CORRECT FINISH	Y	N					
CORROSION CORRECT GRAIN DIRECTION	Y	N					
CORRECT MATERIAL	Y	N					
CORRECT THICKNESS	Y	N					
PHOTO REQUIRED	Y	N					
CORRECT MATERIAL	Υ	N		c cup			
CORRECT REF # TO LINK CERT	Υ	N	HAR HKI	SUSUE			
CORRECT MATERIAL IDENTFICATION		N		Hr 9	(0121		
CORRECT M# ON THE MATERIAL	Υ	N	m128809				
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ_	N					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIECI	E OF	MA	TERIAL AND PORD RESULTS	REFORM A I	HARDNESS C	HECK.	
			HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER REA	NID/	G					
	<u>te</u>	esters	s located in the Qu		NGINEERING	SICNOEE (if	required)
QC 18 INSPECTION		i.e. A		E.	NGINEERING	SIGNOIT (II	required)
INSPECTED BY:	1			SIGNED	OFF BY:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

MATERIAL: MTH				F	O / BATCH NO.:	28537	
DATE:	IPR 2	3.7	014				
ALL TERMS OF DECIDE	Inc			THICKN	ESS ORDERED:	200	
MATERIAL CERT REC'D:		15			ESS RECEIVED:	0.000	
	1.64				_		
QUANTITY INSPECTED: 25	1.61	<u>0</u>			SIZE ORDERED: _	1	
QUANTITY REJECTED: (3_			SHEETS	SIZE RECEIVED: _		
	NC	R					
DESCRIPTION	(Che				COMMENTS		
BEGOM: HOW	Y/N						
SURFACE DAMAGE	ΥI	(D	·				
CORRECT FINISH	8	N					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	8	N					
CORRECT MATERIAL	3	Ν					
CORRECT THICKNESS	8	N					
PHOTO REQUIRED		(N)	/\2 · E	1112			
CORRECT MATERIAL	8	N	Ams S	23			
CORRECT REF # TO LINK CERT	\mathfrak{A}	N	H# 25763	5			
CORRECT MATERIAL IDENTFICATION	$\overset{\circ}{\times}$	N N	m128803				
CORRECT M# ON THE MATERIAL	4	IN					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)					
DOES THIS REQUIRE AN	+ +	···					
EXTRUSION REPORT	Y	W					
						LIEOK	
CUT SAMPLE PIEC	E OF	MAT	TERIAL AND PR	REFORM A	A HARDNESS C	HECK.	
	R	RECO	ORD RESULTS		DUR A	DUR D	
TOTAL SENIATEDIAL			HRC	HRB	DONA	DOIND	
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE HARDNESS / DUROMETER REA	DING	7					
HARDNESS / BONOMETERNE	te.	sters	located in the Qua	lity Office			
			They the same	•	ENCINEEDING	SIGNOFF (if requ	uired)
QC 18 INSPECTION					ENGINEERING	SIGNOFF (IFTEQU	mcu)
WARFOTER SV	1			SIGNE	D OFF BY:		
INSPECTED BY:	9-8	2		SIGNE			
DATE:	112	7			DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



METAUX CASTLE

P.O. BOX 4090 STN A TORONTO, ON M5W OE9

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23537

Purchase Order Date 3/27/2014 PO Print Date 3/27/2014

Page Number 1 of 5

Order From:

CA

VC-MET001

DART AEROSPACE LTD Ship To: 1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

514 694 9575

A.M. CASTLE & CO. (CANADA) INC. - C/O 910720

Buyer **Customer POID** Chantal Lavoie

Ship To Contact

Customer Tax # Terms

10127-2607 Net 10

Ship To Phone

Ship Via: Ship Acct:

Currency

CAD

VENDOR'S TRUCK

FOB

FCA - (Free Carrier)

Extended PO Unit Price Req Qty/ Req Date/ CD Price Description/ Line Reference Unit of Taxable Mfg ID Measure Nbr Vendor Part Number 24.2917 /c/4/10 **Promise Date Line Comments Delivery Comments** \$201.84 4/4/2014 17-4SS H900 ROUND M174PH-H900R0.500 BAR 0.500

MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643

NOTE: PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R-5A8 450-473-1884

4/4/2014

Yes

Line Total:

\$201.84



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23537

Purchase Order Date 3/27/2014 PO Print Date 3/27/2014

Page Number 2 of 5

Order From:

VC-MET001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Buyer

Terms

FOB

Currency

Customer POID

Customer Tax #

METAUX CASTLE

A.M. CASTLE & CO. (CANADA) INC. - C/O 910720

P.O. BOX 4090 STN A TORONTO, ON M5W OE9

CA

Contact Name

Vendor Phone

514 694 9575

Ship To Contact

Ship To Phone Ship Via:

Ship Acct:

VENDOR'S TRUCK

M174PH-H900R0.750

17-4 SS H900 ROUND

BAR 0.750"

4/4/2014

24.00

\$251.28

No

4/4/2014

1 24.3958 /44/4/10

Chantal Lavoie

FCA - (Free Carrier)

10127-2607

Net 10

CAD

\$10.47

MATERIAL: 17-4 PH COND. H900

AS PER AMS 5643

PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC

J7R-5A8 450-473-1884

Line Total:

\$251.28



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23537

Purchase Order Date 3/27/2014 PO Print Date 3/27/2014

Page Number 3 of 5

Order From:

VC-MET001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Buyer

Terms

FOB

Currency

A.M. CASTLE & CO. (CANADA) INC. - C/O 910720 P.O. BOX 4090 STN A TORONTO, ON M5W OE9

CA

Contact Name

Vendor Phone

METAUX CASTLE

514 694 9575

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

M174PH-H900R1.500

17-4SS H900 ROUND

4/4/2014

Customer POID

Customer Tax #

36.00

FCA - (Free Carrier)

BAR 1.500

Yes

4/4/2014

\$22.19

\$798.84

MATERIAL: 17-4 PH COND. H900

AS PER AMS 5643

NOTE:

PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R-5A8

450-473-1884

f 37.7083

Chantal Lavoie

10127-2607

Net 10

CAD

Line Total:

\$798.84



METAUX CASTLE

P.O. BOX 4090 STN A

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23537

Purchase Order Date 3/27/2014 PO Print Date 3/27/2014

Page Number 4 of 5

Order From:

VC-MET001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Buyer

Terms

FOB

Currency

Customer POID

Customer Tax #

TORONTO, ON M5W OE9 CA

Contact Name

Vendor Phone

514 694 9575

A.M. CASTLE & CO. (CANADA) INC. - C/O 910720

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

M174PH-H900R2.000

17-4SS H900 ROUND

4/4/2014

Chantal Lavoie

FCA - (Free Carrier)

10127-2607

Net 10

CAD

\$38.78

\$930.72

BAR 2.000

Yes

4/4/2014

94.6468 Ayly/10

MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643

PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC

J7R-5A8 450-473-1884

Line Total:

\$930.72

71401-45

PROCUREMENT QUALITY CLAUSES 4/4/2014

No 4/4/2014

1.00

\$0.00

\$0.00

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23537

Purchase Order Date 3/27/2014 PO Print Date 3/27/2014

Page Number 5 of 5

Order From:

VC-MET001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

METAUX CASTLE

A.M. CASTLE & CO. (CANADA) INC. - C/O 910720

P.O. BOX 4090 STN A TORONTO, ON M5W OE9

CA

Contact Name

Vendor Phone

514 694 9575

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

10127-2607 Net 10

Terms CAD Currency

FOB

FCA - (Free Carrier)

Chantal Lavoie

Line Total:

\$0.00

PO Total:

\$2,182.68

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explaination.

Change Nbr:

Change Date:

3/27/2014

Purchase Order Receipt Listing

Wednesday, April 16, 2014 6:51:22 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO23538 Receipt Dates from 4/16/2014 to 4/16/2014 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Book Amt	\$513.67 1.0000 0.0000
MRB Qty/ MRB Reject Qty	0 0 uantity: 0 U/M):
Cost Per Unit/ Inspected Qty/ MRB Qty/ Recv Value Rejected Qty MRB Reject (PO U/M) Qty	3.67 0.0000 3.67 0.0000 Total Received Quantity: Total Qty to Inspect (PO U/M):
Cost Per Unit/ Recv Value	\$513.67 \$513.67 Total
Recv Qty (PO U/M)	1.0000
Recv Date/ Recv Emp	4/18/2014 4/16/2014 1.0000 DESJ02
Required Date Required Qty	4/18/2014
PO U/M / Stock U/M	Metcor Inc. Each AT TO
Project ID Reference/ Description/ Cert Std	VC-MET004 Metc 71425-30 HEAT TREAT MATERIAL TO H900 M128863
Project ID	
Line Nbr/ Insp Req	ndor Name
Purchase Order ID/ Curr Type	VendorID/Vendor Name PO23538 1 CAD No

0.0000 \$513.67 0.0000

Total Balance Due Quantity:

Total Reject Quantity: Total Receipt Value:

560 BOUL. ARTHUR-SAUVÉ ST-EUSTACHE, QC J7R 5A8 Tel: 450-473-1884 / Fax: 450-491-5498

Reçu de livraison

Delivery Receipt

BON DE TRAVAIL	EXPÉDITEUR	BON D'EXPÉDITION
Order	Shipper ID	Shipper
194748	1	80453

EXPÉDITION COMPLÈTE / Shipped Complete

CLIENT / Customer

215

DART AEROSPACE 1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053 LIVRÉ À /Shipped To

DART AEROSPACE

1270 ABERDEEN HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200

Fax: 613-632-1053

COMMANDE DU CLIENT Customer PO	BON DE LIVRAISON DU CLIENT	TYPE DE MATÉRIEL	DATE DE LA COMMAND	TRANSPORTEUR
	Customer Shipper No.	Material Type	Order Date	Carrier
PO23537		7-4 PH AMS 534:	2014/4/4	TST
QUANTITÉ No. PIÈCE	! / NOM DE LA PIÈCE /	DESCRIPTION DE		POIDS
Quantity Part No.	Part Name	Part Description		Weight
12 M17/DH		224,		

12 M174PH-H900R1.500 (12) M174PH-H900R1.500 BAR ROUND 1.500

1 PALETTE

TYPE DE CONTENEUR Container Type	# DE CONTENEURS # Of Containers	COMMENTAIRES CONTENEUR Container Comments	
PALETTE	. 1		
		QUANTITÉ EXPÉDIÉE / Quantity Shipped :	12
EMPAQUETAGE		POIDS EXPÉDIÉ / Weight Shipped :	224,00
Packing	Q	UANTITÉ RESTANTE / Quantity Remaining :	0

POIDS RESTANT / Weight Remaining: 0,00

QUANTITÉ EXPÉDIÉE /Quantity Shipped: 12

POIDS EXPÉDIÉ / Weight Shipped: 224,00

Signature:

Date:

EXPÉDIÉ LE / Shipped On: 2014/04/10

560 BOUL. ARTHUR-SAUVÉ ST-EUSTACHE, QC J7R 5A8 Tel: 450-473-1884 / Fax: 450-491-5498

Reçu de livraison

Delivery Receipt

BON DE TRAVAIL	EXPÉDITEUR	BON D'EXPÉDITION
Order	Shipper ID	Shipper
194745	1	80454

EXPÉDITION COMPLÈTE / Shipped Complete

CLIENT / Customer

215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053 LIVRÉ À / Shipped To

DART AEROSPACE 1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053

COMMANDE DU CLIENT Customer PO	BON DE LIVRAISON DU CLIENT Customer Shipper No.	TYPE DE MATÉRIEL Material Type	DATE DE LA COMMAND Order Date	ETRANSPORTEUR Carrier
23537		17-4PH	2014/4/4	PUROLETTER
QUANTITÉ No. PIÈCE Quantity Part No.	/ NOM DE LA PIÈCE / Part Name	DESCRIPTION DE Part Description		POIDS Weight
8 M174PH-I (8) M174F	H900R0.750 PH-H900R0.750 JND 0.750			36,
TYPE DE CONTENEUR Container Type NIL	# DE CONTENEURS # Of Containers	COMMENTAIR Container Com	RES CONTENEUR nments	
NIL	•			
		QUANTITÉ EXPÉDI	ÉE / Quantity Shipped :	8
EMPAQUETAGE		POIDS EXPÉ	DIÉ / Weight Shipped :	36,00
Packing		QUANTITÉ RESTANTI	E / Quantity Remaining :	0
		POIDS RESTAN	NT / Weight Remaining :	0,00

QUANTITÉ EXPÉDIÉE /Quantity Shipped: 8

POIDS EXPÉDIÉ / Weight Shipped: 36,00

Signature:

Date:

EXPÉDIÉ LE / Shipped On: 2014/04/10

560 BOUL. ARTHUR-SAUVÉ ST-EUSTACHE, QC J7R 5A8 Tel: 450-473-1884 / Fax: 450-491-5498

Reçu de livraison

Delivery Receipt

BON DE TRAVAIL	EXPÉDITEUR	BON D'EXPÉDITION
Order	Shipper ID	Shipper
194747	1	80456

EXPÉDITION COMPLÈTE / Shipped Complete

CLIENT / Customer

215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053 LIVRÉ À /Shipped To

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053

COMMANDE C		BON DE LIVRAISON DU CL Customer Shipper No.		TYPE DE MATÉRIEL Material Type	DATE DE LA COMMA Order Date	ANDE	TRANSPORTEUR Carrier
2353	7 538			17-4PH	2014/4/4		TST
QUANTITÉ Quantity	No. PIÈCE Part No.	/ NOM DE LA PIÈCE Part Name	1	DESCRIPTION DI Part Description			POIDS Weight
	(8) M174F	H-900R2.000 PH-H900R2.00 IND 2.000					272,
	1 PALETT	ΓE					
TYPE DE CONTE Container Type PALETTE	NEUR	# DE CONTENE # Of Containers 1			RES CONTENEUR nments		
				QUANTITÉ EXPÉDI	ÉE / Quantity Shipped	d :	8
EMPAQU	ETAGE			POIDS EXPÉ	ÉDIÉ / Weight Shipped	i:	272,00
Pack	ing			QUANTITÉ RESTANTI	E / Quantity Remaining	g :	0
				POIDS RESTAI	NT / Weight Remaining	g:	0,00

QUANTITÉ EXPÉDIÉE /Quantity Shipped: 8

POIDS EXPÉDIÉ / Weight Shipped:

272,00

Signature:

Date:

EXPÉDIÉ LE / Shipped On: 2014/04/10



Telecopiour/Fax-administration 450-491-549VÉ, ST-EUSTACHE, QC, J7R SAS Telecopieur/Fax production 450-491-6454

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454 Rapport d'Inspection Inspection Report

BON	DE TRAVAIL order	CHARGEMENT load
	194747	1

CLIENT / customer 215
DART AEROSPACE
1270 ABERDEEN
HAWKESBURY

ON K8A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT	MATÉRIEL	CODE DE TRAITEMENT	NUMÉRO DE LOT
	customer shipper no.	material	mat'l heat code	lot number
23537		17-4PH		

SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN CONDITION H 900

SAE AMS 5643 REV. R

EXIGENCE / requirement | SPÉCIFICATIONS / specifiedTESTS EXÉCUTÉS / performed | RÉSULTATS DE TESTS / results | HARDNESS | 40 - 47 HRC | 8 | 45.0 - 46.0 HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description	
8	272	M174PH-H-900R2.000 (8) M174PH-H900R2.00 BAR ROUND 2.000	
		1 PALETTE	

COMMENTAIRES / comments

15/04/204

APPROUVÉ par / Approved by:

METCOR 11

DATE: 2014-04-10

560 BOUL. ARTHUR-SAUVÉ ST-EUSTACHE, QC J7R 5A8 Tel: 450-473-1884 / Fax: 450-491-5498

Reçu de livraison

Delivery Receipt

BON DE TRAVAIL	EXPÉDITEUR	BON D'EXPÉDITION
Order	Shipper ID	Shipper
194746	1	80455

EXPÉDITION COMPLÈTE / Shipped Complete

CLIENT / Customer

215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053 LIVRÉ À /Shipped To

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

Ph: 613-632-5200 Fax: 613-632-1053

COMMANDE DU CLIENT Customer PO	BON DE LIVRAISON DU CLIENT Customer Shipper No.	TYPE DE MATÉRIEL Material Type	DATE DE LA COMMAND Order Date	TRANSPORTEUR Carrier
23537		17-4PH	2014/4/4	PUROLETTER
	QUANTITÉ No. PIÈCE / NOM DE LA PIÈCE / DES		E LA PIÈCE on	POIDS Weight
8 M174PH (8) M174	H-H900R0.500 4PH-H900R0.500 DUND 0.500			16,
1 NIL				
TYPE DE CONTENEUR Container Type	# DE CONTENEURS # Of Containers	COMMENTALE Container Con	RES CONTENEUR nments	
NIL	1			
		QUANTITÉ EXPÉDI	ÉE / Quantity Shipped :	8
EMPAQUETAGE		POIDS EXPÉ	ÉDIÉ / Weight Shipped :	16,00
Packing		QUANTITÉ RESTANT	E / Quantity Remaining :	0
		POIDS RESTAI	NT / Weight Remaining :	0,00

Signature:

Date:

EXPÉDIÉ LE / Shipped On : 2014/04/10

QUANTITÉ EXPÉDIÉE /Quantity Shipped:

POIDS EXPÉDIÉ / Weight Shipped :

8

16,00



Telégogieur/Fax production 450 491-6454

Télégogieur/Fax production 450 491-6454

Télécopieur/Fax production 4 Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454

Rapport d'Inspection Inspection Report

BON DE TRAVAIL order	CHARGEMENT load
194748	1

CLIENT / customer 215 DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K8A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CUENT	MATÉRIEL	CODE DE TRAITEMENT	NUMÉRO DE LOT
	customer shipper no.	material	mat'i heat code	lot number
PO23537		17-4 PH AMS 5343		

SPECIFICATIONS DU PROCEDE

processing specifications

AGE HARDEN CONDITION H 900 SAE AMS 5643 REV. R

EXIGENCE / requirement SPÉCIFICATIONS / specifiedTESTS EXÉCUTÉS / performed RÉSULTATS DE TESTS / results 45.0 - 46.0 HRC

12 40 - 47 HRC HARDNESS

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description	
12	224	M174PH-H900R1.500 (12) M174PH-H900R1.500 BAR ROUND 1.500	
		1 PALETTE	

COMMENTAIRES / comments

15/04/2014

APPROUVÉ par / Approved by:

DATE: 2014-04-10



Télécopieur/Fay administration 450,491,5498 É, ST-EUSTACHE, QC, J7R 5A8 Télécopieur/Fax production 450,491-6454

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454 Inspection Report

BON DE TRAVAIL CHARGEMENT load

194745 1

Rapport d'Inspection

CLIENT / customer 215
DART AEROSPACE
1270 ABERDEEN
HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON KBA 1K7

COMMANDE DU CLIENT customer po	BONDE LIVRAISON DU CLIENT	MATÉRIEL	CODE DE TRAITEMENT	NUMÉRO DE LOT
	customer shipper no.	material	mat'l heat code	lot number
23537		17-4PH		

SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN CONDITION H 900

SAE AMS 5643 REV. R

EXIGENCE / requirement | SPÉCIFICATIONS / specifiedTESTS EXÉCUTÉS / performed | RÉSULTATS DE TESTS / results | HARDNESS | 40 - 47 HRC | 8 | 44.0 - 45.0 HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description
8	36	M174PH-H900R0.750 (8) M174PH-H900R0.750 BAR ROUND 0.750
		1 NIL

COMMENTAIRES / comments

15/04/2014

APPROUVÉ par / Approved by:

METCOR S

DATE: 2014-04-10

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Télécopieur/Fax, administration 450,491,5408 É, ST-EUSTACHE, QC, J7R 5A8 Télécopieur/Fax production 450,491-6454

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454

Rapport d'Inspection

Inspection Report

BON DE TRAVAIL order	CHARGEMENT load
194746	1

CLIENT / customer 215
DART AEROSPACE
1270 ABERDEEN
HAWKESBURY

ON K6A 1K7

UVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K8A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT	MATÉRIEL	CODE DE TRAITEMENT	NUMÉRO DE LOT
	customer shipper no.	material	mat'l heat code	lot number
23537		17-4PH	,	

SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN CONDITION H 900

SAE AMS 5643 REV. R

EXIGENCE / requirement SPÉCIFICATIONS / specifiedTESTS EXÉCUTÉS / performed RÉSULTATS DE TESTS / results HARDNESS 40 - 47 HRC 8 44.0 - 45.0 HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description
8	16	M174PH-H900R0.500
		(8) M174PH-H900R0.500
		BAR ROUND 0.500
		1 NIL

COMMENTAIRES / comments

15/04/2014

APPROUVÉ par / Approved by

DATE: 2014-04-10

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560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454

Certificat de Conformité Détaillé Detailed Certificate of Compliance

BON DE TRAVAIL	CHARGEMENT		
order	load		
194746	1		

CLIENT / customer 215 DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TRAITEMENT mat'l heat code	NUMÉRO DE LOT lot number
23537		17-4PH		

SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN **CONDITION H 900** SAE AMS 5643 REV. R

EXIGENCE / requirement SPÉCIFICATIONS / specified TESTS EXÉCUTÉS / performed RÉSULTATS DE TESTS / results 44.0 - 45.0 HRC

40 - 47 HRC **HARDNESS**

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description
8	16	M174PH-H900R0.500 (8) M174PH-H900R0.500
		BAR ROUND 0.500
·		1 NIL

COMMENTAIRES / comments

AGE HARDEN 900F, 1HR

Le traitement thermique (TT) a été fait en utilisant des équipements en conformité avec la spécification demandée. Toutes les opérations de TT ont été faites en conformité avec les requis de la spécification demandée et toutes les vérifications et les tests demandés ont été faites et documentés. Aucun changement n'a été faite par rapport au TT. On certifie que le matériel a été fabriqué, échantillonné, testé et inspecté en accord avec les spécifications du matériel et le bon de commande et le matériel rencontre les exigences spécifiées.

Heat treatment (HT) was performed with equipment that meets the requirements of requested specification. All HT operations were performed in compliance with the required HT specification and all verifications have been performed and documented. No unauthorized changes were performed in regards to the HT. We certify that the material was manufactured, sampled, tested and inspected in accordance with the material specification and the purchase order and was found to meet the requirements.

DATE: 2014-04-11 APPROUVÉ par / Approved by:

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454

Certificat de Conformité Détaillé Detailed Certificate of Compliance

BON DE TRAVAIL	CHARGEMENT		
order	load		
194747	1		

1

CLIENT / customer 215 DART AEROSPACE 1270 ABERDEEN **HAWKESBURY**

ON K6A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TRAITEMENT mat'l heat code	NUMÉRO DE LOT lot number
23537		17-4PH		
	SPÉCIFICA	ATIONS DU PROCÉ	ÉDÉ	

processing specifications

AGE HARDEN **CONDITION H 900** SAE AMS 5643 REV. R

EXIGENCE / requirement SPÉCIFICATIONS / specified TESTS EXÉCUTÉS / performed RÉSULTATS DE TESTS / results 45.0 - 46.0 HRC 40 - 47 HRC **HARDNESS**

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description	-
8	272	M174PH-H-900R2.000 (8) M174PH-H900R2.00 BAR ROUND 2.000	
		1 PALETTE	

COMMENTAIRES / comments

AGE HARDEN 900F, 1HR

Le traitement thermique (TT) a été fait en utilisant des équipements en conformité avec la spécification demandée. Toutes les opérations de TT ont été faites en conformité avec les requis de la spécification demandée et toutes les vérifications et les tests demandés ont été faites et documentés. Aucun changement n'a été faite par rapport au TT. On certifie que le matériel a été fabriqué, échantillonné, testé et inspecté en accord avec les spécifications du matériel et le bon de commande et le matériel rencontre les exigences spécifiées.

Heat treatment (HT) was performed with equipment that meets the requirements of requested specification. All HT operations were performed in compliance with the required HT specification and all verifications have been performed and documented. No unauthorized changes were performed in regards to the HT. We certify that the material was manufactured, sampled, tested and inspected in accordance with the material specification and the purchase order and was found to meet the requirements.

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APPROUVÉ par / Approved by:		Conol		18	

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454

Detailed Certificate of Compliance

Certificat de Conformité Détaillé

BON DE TRAVAIL	CHARGEMENT		
order	load		
194745	1		

CLIENT / customer 215 DART AEROSPACE 1270 ABERDEEN **HAWKESBURY**

ON K6A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN **HAWKESBURY**

ON K6A 1K7

COMMANDE I		BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TF mat'l hea		NUMÉRO DE LOT lot number
2353	37		17-4PH			
			TIONS DU PROC sing specifications		•	
AGE HARDEN						
CONDITION H	900					
SAE AMS 5643	REV. R					
EXIGENCE / red	guirement S	PÉCIFICATIONS / specified	TESTS EXÉCUTE	ÉS / performed	RÉSULTAT	S DE TESTS / resul
HARDNESS		0 - 47 HRC	8		44.0 - 45.0	HRC
QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIE parts description	ECES			
8	30	6 M174PH-H900R0.750 (8) M174PH-H900R0.75 BAR ROUND 0.750	0			

COMMENTAIRES / comments

AGE HARDEN 900F, 1HR

Le traitement thermique (TT) a été fait en utilisant des équipements en conformité avec la spécification demandée. Toutes les opérations de TT ont été faites en conformité avec les requis de la spécification demandée et toutes les vérifications et les tests demandés ont été faites et documentés. Aucun changement n'a été faite par rapport au TT. On certifie que le matériel a été fabriqué, échantillonné, testé et inspecté en accord avec les spécifications du matériel et le bon de commande et le matériel rencontre les exigences spécifiées.

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APPROUVÉ par / Approved by:	Vinate	- Cint	1	ME 1 18	DATE: 2014-04-11
/// / / COVE par /				1	

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450 491-6454

Certificat de Conformité Détaillé Detailed Certificate of Compliance

BON DE TRAVAIL order	CHARGEMENT load	
194748	1	

CLIENT / customer 215
DART AEROSPACE
1270 ABERDEEN
HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to: DART AEROSPACE 1270 ABERDEEN HAWKESBURY

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TRAITEMENT mat'l heat code	NUMÉRO DE LOT lot number
PO23537		17-4 PH AMS 5343		

SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN

CONDITION H 900

SAE AMS 5643 REV. R

EXIGENCE / requirement | SPÉCIFICATIONS / specified TESTS EXÉCUTÉS / performed | RÉSULTATS DE TESTS / results | HARDNESS | 40 - 47 | HRC | 12 | 45.0 - 46.0 | HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description	
12	224	M174PH-H900R1.500 (12) M174PH-H900R1.500 BAR ROUND 1.500	
		1 PALETTE	

COMMENTAIRES / comments

AGE HARDEN 900F, 1HR

Le traitement thermique (TT) a été fait en utilisant des équipements en conformité avec la spécification demandée. Toutes les opérations de TT ont été faites en conformité avec les requis de la spécification demandée et toutes les vérifications et les tests demandés ont été faites et documentés. Aucun changement n'a été faite par rapport au TT. On certifie que le matériel a été fabriqué, échantillonné, testé et inspecté en accord avec les spécifications du matériel et le bon de commande et le matériel rencontre les exigences spécifiées.

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APPROUVÉ par / Approved by: Vint (18) DATE: 2014-04-11



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23538

Purchase Order Date 3/27/2014 PO Print Date 4/15/2014

Page Number 1 of 1

PO Unit Price

\$567.84

Order From:

METCOR INC.

560 BOUL. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R 5A8 CA

VC-MET004

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

450 473 1884

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

Req Qty/

Unit of

Measure

1.00

Each

10127-2607 Net 30

Terms Currency

CAD

FOB

Req Date/ CD

Taxable

Promise Date

4/18/2014

Yes 4/18/2014

FCA - (Free Carrier)

Ship To Phone

Ship To Contact

Ship Via: Ship Acct:

Reference

Line

VENDOR'S TRUCK

Description/

HEAT TREAT

MATERIAL TO H900

Mfg ID

Vendor Part Number Line Comments

Delivery Comments

71425-30

Procurement Quality Clauses A005 right of entry

A012 chemical and physical test report

A020 non-destructive test/inspection identification

A021 dart aerospace processing

A024 process certifications

A026 certification of material conformance

17-4 PH ROUND BAR .500" / .750" / 1.5 /" 2" SENT FROM METAUX CASTLE P/O:23537

HEAT TREAT TO COND H900 FTY IN EXCESS OF 170KSI FTU IN EXCESS OF 190KSI

PER AMS2759/3

PLEASE ADVISE PRICE \$\$\$\$\$\$ FOR LOT

Line Total:

\$567.84

Extended

Price

\$567.84

PO Total:

\$567.84

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explaination.

Change Nbr:

Change Date:

4/15/2014